@singleInheritance

#include<iostream>

using namespace std;

class Animal {

public:

int age;

int weight;

public:

void speak() {

cout << "Speaking " << endl;

}

};

class Dog: public Animal {

};

int main() {

Dog d;

d.speak();

cout << d.age << endl;

return 0;

}

C• Inherit.cpp > Student 
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using namespace std; 
class Human 
string name; 
int age; 
public: 
void work() 
cout<<" I am working \n"; 
class Student: 
public Human 

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class Student: public Human 
int rott_number, fees; 
public: 
Student(string name, int age, int rott_number, 
int fees) 
this—>name = name; 
this—>age = age; 
fees; 
= roll_number; 
int main() 
Student Al("Rohit'% 
26, 
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99) ; 

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Student(string name, int age, 
this—>name = name; 
this—>age = age; 
int 
rot I _ number, 
int 
fees) 
rott_number; 
this—>fees = 
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cd "/Users/rohit 
+1" g++ Inherit 
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I am working 
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int main() 
Student Al("Rohit", 
Al.work(); 
fees; 
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26, 
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99) ; 

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Whose constructor is called first base /super class or derived class

---> base class and then derived class

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using namespace std; 
class Huma 
protected : 
string name; 
int age; 
public: 
Human( ) 
Human\n" ; 
void work() 
I am working ; 

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= rott_number; 
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ocuuenc; puu nuu•an 
int rotl_number, fees; 
public: 
// Student(string name, int 
age, 
int 
rot I_number, 
int 
fees) 
this- 
>name = name; 
this 
->age = age; 
1 this 
this- 
> fees fees ; 
+1" g++ Inher 
"/Users/rohi 
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cd "/Users/roh 
4/" g++ Inher 
"/Users/rohil 
/"lnherit 
I am working 
rohitnegi80hits• 
cd "/Users/roh 
g++ Inher 
"'Users/rohi 
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Hello Human 
Helto Student 
rohitnegi80hits 
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Student( ) 
int main() 
Student Al; 
Student\n" ; 

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If base class and derived class have same function name then whose fn is called ?

->derived class

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class Human 
protected: 
string name; 
int age; 
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public: 
Human(string name, int age) 
this—>name = name; 
this—>age = age; 
void display() 

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class Student: public Human 
int rott_number, fees; 
public: 
1 
Student(string name, int age, int rott_number, 
= roll_number; 
this—>fees = fees; 
void display( ) 
int fees): 

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public: 
Student (string 
this—>fees 
void display() 
name, int age, int rott_number, 
= roll _ number; 
= fees; 
< ro t t_number«•• 
int 
fees) : 
Inherit 
rohitnegi80hits—MacB 
cd "/Users/rohitnegl 
+/" g++ Inherit.cpg 
"/Users/rohitnegi 
/"lnherit 
Rohit 12 lø 99 
ro+litnegi80hits-MacB 
int main() 
Student , 
Al. display( ) ; 